| | Form PTO-1449 | | | | | ATTY DOCKET NO. 0465-1041P | | APPLICATION NO. NEW 10/623,654 | | | |
|--|---|-----------------|---------------------------|------------------------------|--|-------------------------------|-----------------------|-----------------------------------|-------------------|-----------------|--|
| U.S. PATENT DOCUMENTS U.S. PATENT DOCUMENTS | I | NFORMA | | | | | | | | | |
| DOCUMENT NUMBER Kind DATE NAME CLASS CHAP IT APPROPRIEST KC US 5,886,962 1999-03-23 Takamine et al. KC US 5,24,085 1993-06-29 Shinkai et al. US U | • | 7) | Jse several sheets | FILING DATE July 22, 2003 UN | | GROUP UNASS | OUP 2627 NASSIGNED | | | | |
| CASS IF APPROPRIATE | U.S. PATENT DOCUMENTS | | | | | | | | | | |
| RC US 5,963,516 1999-10-05 Hashimoto et al. US U | EXAMINER INITIAL | DOCUMENT NUMBER | | Kind | DATE | NAME | CLASS | SUB CLASS | FILING IF APPR | DATE OPRIATE | |
| RC US 5,963,516 1999-10-05 Hashimoto et al. US | KC | US | 5,886,962 | | 1999-03-23 | Takamine et al. | i | | | | |
| US US US US US US US FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS SUB US US FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS ** ** ** ** ** ** ** ** ** | K | US 5,224,085 | | | 1993-06-29 | Shinkai et al. | | | · · · · | | |
| US US US US US US US OFFICE DOCUMENT Kind DATE COUNTRY CLASS CLASS VES VES VES VES VES VES VES VES VES V | RC. | บร | US 5,963,516 | | 1999-10-05 | Hashimoto et al. | | | | | |
| US US US US FOREIGN PATENT DOCUMENTS KC JP 10-208250 1998-07-08 JAPAN * * * * OTHER DOCUMENTS (Innaises Wase of the author (in CATIDLI LETTERS), Little of the article (non appropriate), Little of the lites (boot, magazine, pournal, serial, papeaton, catalog, sto.) date, pape(s), volume-issues modes(s), publisher, city and/or country there published. EXAMINER KWOK Chu/ (11/17/2006) DATE CONSIDERED 1/17/2006 | | US | | | | | - (| | | | |
| US US US Office DOCUMENT Kind DATE COUNTRY CLASS SUB TRANSLATION TO THE NUMBER NUMBER AND THE STATE OF THE | | Ţ | US | | | 7 | | _ | | | |
| US US FOREIGN PATENT DOCUMENTS Office DOCUMENT Kind DATE COUNTRY LASS SUB TAMBLATICE VES NO 1998-07-08 JAPAN * OTHER DOCUMENTS (Include Name of the suther (in CANTAL LATTERS), table of the article (when appropriate), table of the item (book, magazine, pounts, serial, symposium, catalog, stc.) date, page(s), volume-issue member(s), publisher, city and/or country where published. IC EXAMINER Mayor Chu/ (11/17/2006) DATE CONSIDERED 11/17/2006 EXAMINER DATE CONSIDERED 11/17/2006 EXAMINER DATE CONSID | | · t | US | | | | | | | | |
| US FOREIGN PATENT DOCUMENTS Office DOCUMENT Kind DATE COUNTRY CLASS SUB TRANSLATION VIS NO TEACH TO THE TOTAL SUB | | τ | US | | | | | | | | |
| FOREIGN PATENT DOCUMENTS Office DOCUMENT Kind DATE COUNTRY CLASS SUB TRANSLATION TES NO TES | | US | | | | | | | | | |
| FOREIGN PATENT DOCUMENTS Office DOCUMENT Kind DATE COUNTRY CLASS CLASS TRANSLATION TO THE NUMBER NUMBER HIGH DATE COUNTRY CLASS CLASS TRANSLATION TO THE NUMBER NUMBER HIGH DATE COUNTRY CLASS CLASS TO THE SECOND | · | US | | | | | | | | | |
| Office DOCUMENT Kind DATE COUNTRY CLASS SUB TRANSLATION VES NO RC JP 10-208250 1998-07-08 JAPAN * ** ** OTHER DOCUMENTS (Include Name of the author (in CAPITAL LEVITER), title of the article (when appropriate), title of the item (book, magazine, lounal, switch, symposium, catalog, etc.) date, page(s), volume-issue number(s), publishes, city and/or country where published. EXAMINER Taking Kwok Chu/ (11/17/2005) DATE CONSIDERED Taking Kwok Chu/ (11/17/2006) Takin | | τ | JS | | | | | | | | |
| NUMBER NUMBER | FOREIGN PATENT DOCUMENTS | | | | | | | | | | |
| OTHER DOCUMENTS (Include Name of the author (in CAPITAL INTERS), title of the article (when appropriate), title of the Item (book, magazine, journal, sarial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. IC EXAMINER DATE CONSIDERED 11/17/2006 11/17/2006 11/17/2006 | | Office | | Kind DATE COUNTRY | | COUNTRY | CLASS | CLASS | | | |
| OTHER DOCUMENTS (Include Name of the author (in CADITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, syspesius, catalog, etc.) dete, page(e), volume-issue number(s), publisher, city and/or country where published. KC EXAMINER /Kim Kwok Chu/ (11/17/2006) EXAMINER 11/17/2006 EXAMINER 11/17/2006 EXAMINER 11/17/2006 EXAMINER Initial if citation considered, whether or not citation is in conformance with K.F.S.F. 609; Draw Line through citation if not in conformance and not | KC | JP | 10-208250 | | 1998-07-08 | JAPAN . | | | * | | |
| EXAMINER /Kim Kwok Chu/ (11/17/2006) | | | | | | | | | | | |
| EXAMINER /Kim Kwok Chu/ (11/17/2006) | | | | | | | | | | | |
| EXAMINER /Kim Kwok Chu/ (11/17/2006) | | | | | | | | | | | |
| EXAMINER /Kim Kwok Chu/ (11/17/2006) | | | | | | | | | | | |
| EXAMINER /Kim Kwok Chu/ (11/17/2006) | | | | | | | | | | | |
| EXAMINER /Kim Kwok Chu/ (11/17/2006) | | | | | | • | | | | | |
| EXAMINER /Kim Kwok Chu/ (11/17/2006) | | | | | | | | | | | |
| EXAMINER /Kim Kwok Chu/ (11/17/2006) | | | | | | | | | | | |
| EXAMINER /Kim Kwok Chu/ (11/17/2006) EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609, Draw line through citation if not in conformance and not | OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. | | | | | | | | | | |
| EXAMINER /Kim Kwok Chu/ (11/17/2006) EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609, Draw line through citation if not in conformance and not | | | | | | | | | | | |
| /Kim Kwok Chu/ (11/17/2006) 11/17/2006 EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609, Draw line through citation if not in conformance and not | | xc | | | | | | | | | |
| /Kim Kwok Chu/ (11/17/2006) 11/17/2006 EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609, Draw line through citation if not in conformance and not | | | | | | | | | | | |
| /Kim Kwok Chu/ (11/17/2006) 11/17/2006 EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609, Draw line through citation if not in conformance and not | | | | | | | | | | | |
| /Kim Kwok Chu/ (11/17/2006) 11/17/2006 EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609, Draw line through citation if not in conformance and not | | | | | | | | | | | |
| EXAMINER; Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not | EXAMINER | Cim Kwo | k Chu/ (11/1 | 7/20061 | DATE CONSIDERED 11/17/2006 | | | | | | |
| The state of the s | EXAMINER: I | nitial if cit | ation considered, whether | r or not cital | tion is in conformance win to applicant. | | | if not in cor | nformance (| and not | |